

FUNCTIONAL PROTEIN EXPRESSION FOR RAPID CELL-FREE PHENOTYPING

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ABSTRACT OF THE DISCLOSURE

Disclosed herein are methods for assaying the phenotype of a bioactive molecule in the presence and absence of compounds that are known inhibitors of the phenotypable activity of the bioactive molecule. Also disclosed are methods for discovering compounds that can inhibit the 10 phenotypable activity of a bioactive molecule. The methods and assays of the present invention are useful in developing and monitoring a chemotherapy regimen for a patient, to detect or prevent the emergence of a drug resistant phenotype.